

FIG. 1A

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGL GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK

FIG. 1B

SNELHOVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS

FIG. 1C

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEELKFQ CGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISP CWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDY SADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCE ITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAA DPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRV SHFLPWIRSHTKEENGLAL

FIG. 1D

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK HNYCRNPDNRRPWCYVOVGLKPLVQECMVHDCADGK

FIG. 1E

KPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGS VTYVCGGSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMK FEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPS MYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYY GSEVTTKMLCAADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGC ALKDKPGVYTRVSHFLPWIRSHTKEENGLAL

FIG. 1F

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT
CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK
HNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGK//LKFQCGQKTL
RPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISA
THCFIDYPKKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLA
HHNDIALLKIRSKEGRCAQPSRTIQTICLPSMYNDPQFGTSCEITGFGK
ENSTDYLYPEQLKMTVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKT
DSCQGDSGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPW
IRSHTKEENGLAL

FIG. 1G

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKS//
KPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGS
VTYVCGGSLISPCWVISATHCFIDYPKKEDYIVYLGRSRLNSNTQGEMK
FEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICLPS
MYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVKLISHRECQQPHYY
GSEVTTKMLCAADPQWKTDSCQGDSGGPLVCSLQGRMTLTGIVSWGRGC
ALKDKPGVYTRVSHFLPWIRSHTKEENGLAL

FIG. 1H

SNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKT CYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGK HNYCRNPDNRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG. 1I

KTCYEGNGHFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGL GKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHDCADGKKPSSPPEE

FIG. 1J

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FIG. 1K

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FIG. 1L

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca ccatgggccggccctgcctgccctggaactctgccactgtccttcagca aacgtaccatgcccacagatctgatgctcttcagctgggcctggggaaa cataattactgcaggaacccagacaaccggaggcgaccctggtgctatg tgcaggtgggcctaaagccgcttgtccaagagtgcatggtgcatgactg cgcagatqgaaaaaagccctcctctcctccagaagaattaaaatttcag tqtqqccaaaaqactctqagqccccqctttaaqattattqgqgqagaat tcaccaccatcgagaaccagccctggtttgcggccatctacaggaggca ccgggggggctctgtcacctacgtgtgtggaggcagcctcatcagccct tqctqqqtqatcagcgccacacactgcttcattgattacccaaagaagg aggactacatcgtctacctgggtcgctcaaggcttaactccaacacgca aggggagatgaagtttgaggtggaaaacctcatcctacacaaggactac agcgctgacacgcttgctcaccacaacgacattgccttgctgaagatcc gttccaaggagggcaggtgtgcgcagccatcccggactatacagaccat ctgcctgcctcgatgtataacgatccccagtttggcacaagctgtgag atcactggctttggaaaagagaattctaccgactatctctatccggagc agctgaaaatgactgttgtgaagctgatttcccaccgggagtgtcagca gccccactactacggctctgaagtcaccaccaaaatgctatgtgctgct gacccccaatggaaaacagattcctgccagggagactcagggggacccc tcgtctgttccctccaaggccgcatgactttgactggaattgtgagctg gggccgtggatgtgccctgaaggacaagccaggcgtctacacgagagtc tcacacttcttaccctggatccgcagtcacaccaaggaagagaatggcc tggccctctga

FIG. 1M

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc tgctatgagggaatggtcacttttaccgaggaaaggccagcactgaca ccatgggccggccctgcctgcctggaactctgccactgtccttcagca aacgtaccatgccacagatctgatgctcttcagctgggcctggggaaa cataattactgcaggaacccagacaaccggaggcgaccctggtgctatg tgcaggtgggcctaaagccgcttgtccaagagtgcatggtgcatgactg cgcagatggaaaa

FIG. 1N

aagccctcctctcctccagaagaattaaaatttcagtgtggccaaaaga ctctgaggccccgctttaagattattgggggagaattcaccaccatcga gaaccagccctggtttgcggccatctacaggaggcaccgggggggctct qtcacctacgtgtgtggaggcagcctcatcagcccttgctgggtgatca gcgccacacactgcttcattgattacccaaagaaggaggactacatcgt ctacctgggtcgctcaaggcttaactccaacacgcaaggggagatgaag tttgaggtggaaaacctcatcctacacaaggactacagcgctgacacgc ttgctcaccacaacgacattgccttgctgaagatccgttccaaggaggg caggtgtgcgcagccatcccggactatacagaccatctgcctcgc atgtataacgatccccagtttggcacaagctgtgagatcactggctttg gaaaagagaattctaccgactatctctatccggagcagctgaaaatgac tgttgtgaagctgatttcccaccgggagtgtcagcagccccactactac ggctctgaagtcaccaccaaaatgctatgtgctgctgacccccaatgga aaacagattcctgccagggagactcagggggacccctcgtctgttccct $\verb|ccaaggccgcatgactttgactggaattgtgagctggggccgtggatgt|\\$ gccctgaaggacaagccaggcgtctacacgagagtctcacacttcttac cctggatccgcagtcacaccaaggaagagaatggcctggccctctga

FIG. 10

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg cccaaagaaattcggagggcagcactgtgaaatagataagtcaaaaacc tgctatgaggggaatggtcacttttaccgaggaaaggccagcactgaca $\verb|ccatgggccggccctgccttgccttgaactctgccactgtccttcagca|\\$ aacgtaccatgcccacagatctgatgctcttcagctgggcctggggaaa cataattactgcaggaacccagacaaccggaggcgaccctggtgctatg tgcaggtgggcctaaagccgcttgtccaagagtgcatggtgcatgactg cgcagatggaaaattaaaatttcagtgtggccaaaagactctgaggccc cgctttaagattattgggggagaattcaccaccatcgagaaccagccct ggtttgcggccatctacaggaggcaccgggggggctctgtcacctacgt gtgtggaggcagcctcatcagcccttgctgggtgatcagcgccacacac ${\tt tgcttcattgattacccaaagaaggaggactacatcgtctacctgggtc}$ gctcaaggcttaactccaacacgcaaggggagatgaagtttgaggtgga aaacctcatcctacacaaggactacagcgctgacacgcttgctcaccac ${\tt aacgacattgccttgctgaagatccgttccaaggagggcaggtgtgcgc}$ agccatcccggactatacagaccatctgcctgccctcgatgtataacga $\verb|tctaccgactatctctatccggagcagctgaaaatgactgttgtgaagc|\\$ tgatttcccaccgggagtgtcagcagccccactactacggctctgaagt caccaccaaaatgctatgtgctgctgacccccaatggaaaacagattcc tgccagggagactcagggggacccctcgtctgttccctccaaggccgca tgactttgactggaattgtgagctggggccgtggatgtgccctgaagga caagccaggcgtctacacgagagtctcacacttcttaccctggatccgc agtcacaccaaggaagagaatggcctggccctctga

FIG. 1P

agcaatgaacttcatcaagttccatcgaactgtgactgtctaaatggag gaacatgtgtgtccaacaagtacttctccaacattcactggtgcaactg cccaaagaaattcggagggcagcactgtgaaatagataagtcaaagccc tcctctcctccagaagaattaaaatttcagtgtggccaaaagactctga ggcccgctttaagattattgggggagaattcaccaccatcgagaacca gccctggtttgcggccatctacaggaggcaccgggggggctctgtcacc ${\tt tacgtgtgtggaggcagcctcatcagcccttgctgggtgatcagcgcca}$ cacactgcttcattgattacccaaagaaggaggactacatcgtctacct gggtcgctcaaggcttaactccaacacgcaaggggagatgaagtttgag gtggaaaacctcatcctacacaaggactacagcgctgacacgcttgctc accacaacgacattgccttgctgaagatccgttccaaggagggcaggtg tgcgcagccatcccggactatacagaccatctgcctgccctcgatgtat aacgatccccagtttggcacaagctgtgagatcactggctttggaaaag agaattctaccgactatctctatccggagcagctgaaaatgactgttgt gaagctgatttcccaccgggagtgtcagcagccccactactacggctct gaagtcaccaccaaaatgctatgtgctgctgacccccaatggaaaacag attcctgccagggagactcagggggacccctcgtctgttccctccaagg ccgcatgactttgactggaattgtgagctggggccgtggatgtgccctg aaggacaagccaggcgtctacacgagagtctcacacttcttaccctgga tccgcagtcacaccaaggaagaatggcctggccctctga

FIG. 1Q

FIG. 1R

aaaacctgctatgaggggaatggtcacttttaccgaggaaaggccagca ctgacaccatgggccggccctgcctgcctggaactctgccactgtcct tcagcaaacgtaccatgcccacagatctgatgctcttcagctgggcctg gggaaacataattactgcaggaacccagacaaccggaggcgaccctggt gctatgtgcaggtgggcctaaagccgcttgtccaagagtgcatggtgca tgactgcgcagatggaaaaaagccctcctctcccagaagaa

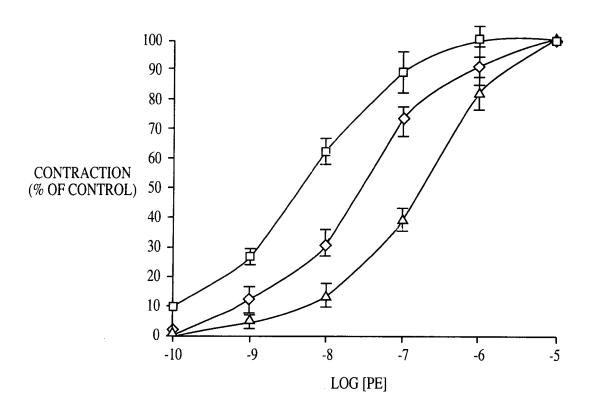
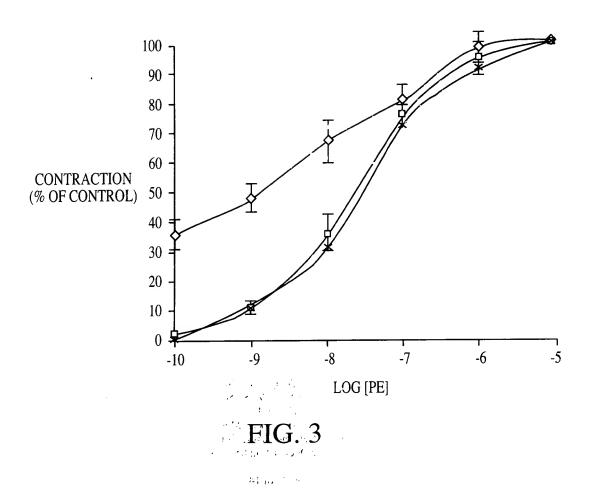


FIG. 2



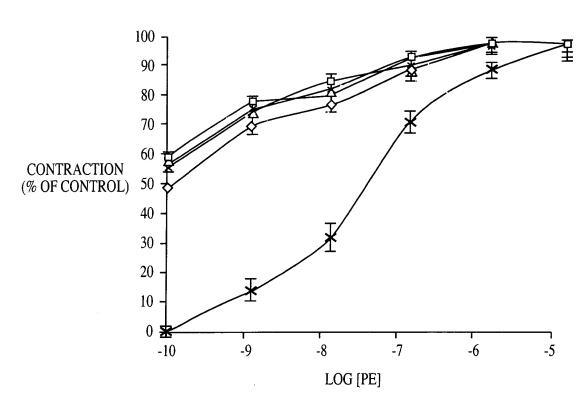


FIG. 4

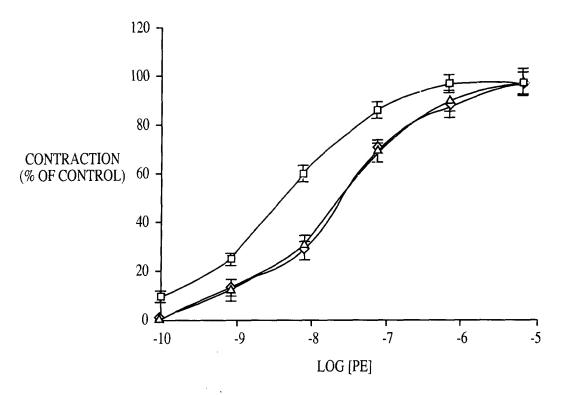


FIG. 5A

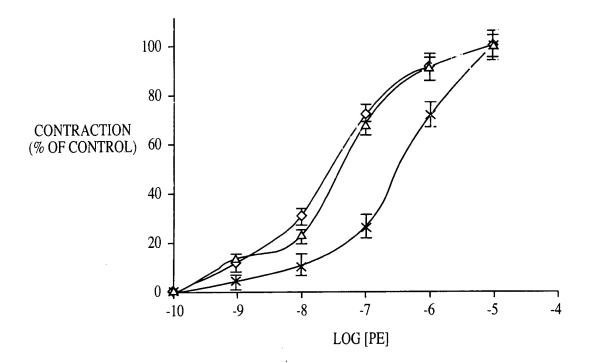


FIG. 5B

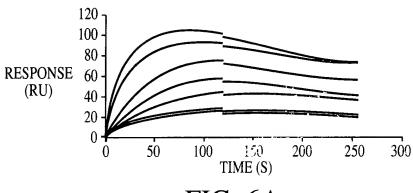
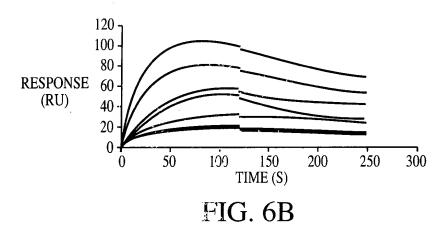


FIG. 6A



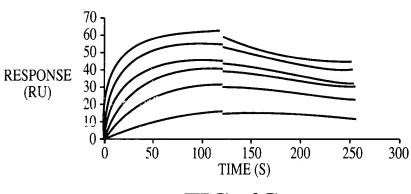
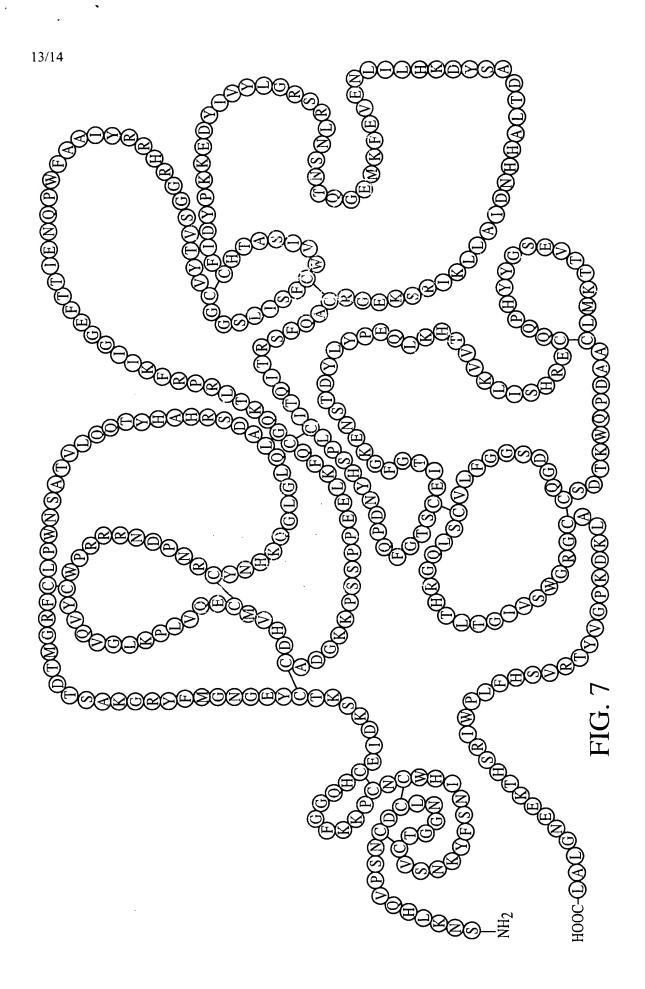


FIG. 6C



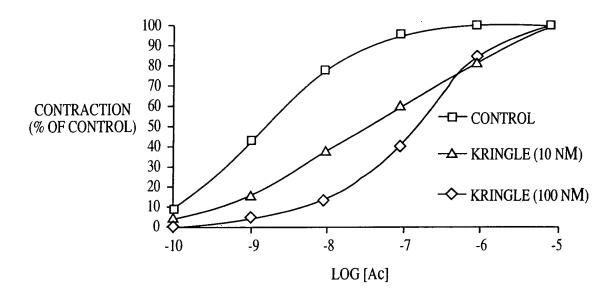


FIG. 8